

**CPC****COOPERATIVE PATENT CLASSIFICATION****D21D****TREATMENT OF THE MATERIALS BEFORE PASSING TO THE PAPER-MAKING MACHINE****D21D 1/00****Methods of beating or refining; Beaters of the Hollander type** ([knotter screens D21F](#))**D21D 1/002**

. {Control devices}

**D21D 1/004**

. { Methods of beating or refining including disperging or deflaking}

**D21D 1/006**

.. { Disc mills}

**D21D 1/008**

... { Discs}

**D21D 1/02**

. Methods of beating; Beaters of the Hollander type

**D21D 1/04**

.. Beater rolls or bars

**D21D 1/06**

.. Bed plates

**D21D 1/08**

.. Beaters with means for driving the pulp quickly

**D21D 1/10**

.. Beaters with means for regulating the pressure between the beater roll and the bed plate

**D21D 1/12**

.. Beaters with means for continuous pulp discharge

**D21D 1/14**

.. Beaters with one beater roll and with vertical stuff circulation canal

**D21D 1/16**

.. Beaters with means for returning the pulp over the head of the beater roll

**D21D 1/18**

.. Beaters with two or more beater rolls

**D21D 1/20**

. Methods of refining

**D21D 1/22**

.. Jordans

**D21D 1/24**

... Jordan rolls

**D21D 1/26**

... Jordan bed plates

**D21D 1/28**

.. Ball or rod mills

**D21D 1/30**

.. Disc mills

**D21D 1/303**

... {Double disc mills}

**D21D 1/306**

... {Discs}

**D21D 1/32**

.. Hammer mills

**D21D 1/34**

.. Other mills or refiners

**D21D 1/36**

... with vertical shaft

**D21D 1/38**

... with horizontal shaft

**D21D 1/40**

.. Washing the fibres

**D21D 5/00****Purification of the pulp suspension by mechanical means; Apparatus therefor** ([centrifuges, cyclones B04](#))

- D21D 5/005 . {Forming fibrous aggregates}
- D21D 5/02 . Straining or screening the pulp
- D21D 5/023 . . {Stationary screen-drums}
- D21D 5/026 . . . {with rotating cleaning foils}
- D21D 5/04 . . Flat screens
- D21D 5/043 . . . {Vibrating screens}
- D21D 5/046 . . . {Rotary screens}
- D21D 5/06 . . Rotary screen-drums
- D21D 5/08 . . . combined with a rocking movement
- D21D 5/10 . . . . of the tank
- D21D 5/12 . . . . of the screen
- D21D 5/14 . . . . of the tank and the screen
- D21D 5/16 . . Cylinders and plates for screens
- D21D 5/18 . with the aid of centrifugal force
- D21D 5/20 . . in apparatus with a horizontal axis
- D21D 5/22 . . in apparatus with a vertical axis
- D21D 5/24 . . in cyclones
- D21D 5/26 . De-aeration of paper stock
- D21D 5/28 . Tanks for storing or agitating pulp
- D21D 99/00 Subject matter not provided for in other groups of this subclass**